



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/755,383	01/05/2001	Bruce M. Schena	IMM029B	6408

7590 06/11/2003

Phil Albert Esq  
Townsend and Townsend  
Two Embarcadero Center 8th Floor  
San Francisco, CA 94111

EXAMINER

LEWIS, DAVID LEE

ART UNIT	PAPER NUMBER
----------	--------------

2673

DATE MAILED: 06/11/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

## Interview Summary

Application No.  
09/755,383

Applicant(s)  
Schena et al.

Examiner  
David L. Lewis

Art Unit  
2673



All participants (applicant, applicant's representative, PTO personnel):

(1) David L. Lewis

(3) Andrew Summer

(2) Erik Milch (42887)

(4) \_\_\_\_\_

Date of Interview Jun 10, 2003

Type: a) ☒ Telephonic      b) ☐ Video Conference  
c) ☐ Personal [copy is given to 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes      e) ☒ No. If yes, brief description:

Claim(s) discussed: 47-76

Identification of prior art discussed:

Hannaford et al. (5642469)

Agreement with respect to the claims f) ☐ was reached. g) ☒ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments:

Applicant discussed the claims language concerning independent claims 47, 60, and 71. Applicant repeats arguments in response to the rejection in their amendment filed on 11/22/2002. Applicants argue a Z direction sensor is not shown, whereby the feedback on the detected degree of force is not shown, further point 12 is not a sensor but a control point, further the actuator of Hannaford is connected to the sensor, but Applicants sensor is separate from but coupled to the actuators. The Examiner notes, column 8 lines 59-61, for forces in the z direction, the rotational actuating structures respond to allow common movement of the end effector 14 and planar structure 20 along the z-axis. The Examiner notes, by touching control point 12 with a finger or pen like tool, force is applied, which is sensed, by planar and rotational actuation, in three degrees of freedom. The Examiner notes, separation between the first actuator and encoder, and the second redundant actuator having no encoder for sensing motion in the xy plane, and the control point exists.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

i) ☒ It is not necessary for applicant to provide a separate record of the substance of the interview (if box is checked).

Unless the paragraph above has been checked, THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

\_\_\_\_\_  
Examiner's signature, if required